AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Original) A method for manipulating an on-screen cursor comprising:

- sensing first electromyogram signals;

- sensing second electromyogram signals;

- in response to sensing at least some of the first electromyogram signals, establishing an angle of directional movement for the on-screen cursor;

- in response to sensing at least some of the second electromyogram signals, moving the on-screen cursor in a previously determined direction.

2. (Original) The method of claim 1 wherein sensing first electromyogram signals includes sensing first electromyogram signals from at least a first muscle and wherein sensing the second electromyogram signals includes sensing second electromyogram signals from at least a second muscle, which second muscle is different from the first muscle.

3. (Original) The method of claim 1 wherein establishing an angle of directional movement for the on-screen cursor includes rotating an on-screen directional indicator that corresponds to the angle of directional movement.

4. (Original) The method of claim 3 wherein rotating an on-screen directional indicator that corresponds to the angle of directional movement includes rotating the on-screen cursor.

5. (Original) The method of claim 1 and further comprising wirelessly transmitting information signals that at least correspond to the first and second electromyogram signals.

6. (Original) The method of claim 1 and further comprising wirelessly transmitting information signals that at least correspond to the angle of directional movement for the on-screen cursor and movement of the on-screen cursor in a previously determined direction.

7. (Original) The method of claim 1 and further comprising processing the first and second electromyogram signals to at least level shift the first and second electromyogram signals.

8. (Original) The method of claim 1 and further comprising processing the first and second electromyogram signals to at least scale the first and second electromyogram signals.

9. (Original) The method of claim 1 and further comprising processing the first and second electromyogram signals to at least level shift and scale the first and second electromyogram signals.

10. (Original) The method of claim 1 and further comprising, in response to sensing at least one of the electromyogram signals, asserting a mouse click.

11. (Original) The method of claim 10 wherein asserting a mouse click includes asserting a mouse left click.

12. (Original) The method of claim 10 wherein asserting a mouse click includes asserting a mouse right click.

13. (Original) The method of claim 1 wherein sensing first electromyogram signals includes sensing first electromyogram signals that at least equal a predetermined threshold.

14. (Original) An apparatus to convert electromyogram signals into on-screen cursor movement signals, the apparatus comprising:
- a first electromyogramsignal input;
- a second electromyogramsignal input;
- a signal translator operably coupled to the first and second electromyogramsignal inputs and having an output to provide angular direction of movement information and magnitude of movement information for an on-screen cursor.

15. (Original) The apparatus of claim 14 and further including a voltage shifter/scaler that is operably coupled between the first and second electromyogramsignal inputs and the signal translator.

16. (Original) The apparatus of claim 14 and further including a wireless transmitter having inputs to receive signals that correspond to first and second electromyogram signals as provided to the first and second electromyogramsignal inputs.

17. (Original) The apparatus of claim 16 wherein the signal translator is operably coupled to the first and second electromyogramsignal inputs through a wireless receiver that is arranged and configured to compatibly receive signals as transmitted by the wireless transmitter.

18. (Original) An apparatus to convert electromyogram signals into on-screen cursor movement signals, the apparatus comprising:
- first input means for receiving a first electromyogramsignal;
- second input means for receiving a first electromyogramsignal;
- translator means operably coupled to the first and second input means for translating the first electromyogramsignal into angular direction of movement information for the on-screen cursor and for translating the second electromyogramsignal into magnitude of movement information for the on-screen cursor.

19. (Original) The apparatus of claim 18 and further comprising voltage shifting and scaling means operably coupled between the first and second input means and the translator means for shifting and scaling the first and second electromyogram signals.

20. (Original) The apparatus of claim 18 and further comprising wireless transmitter means for transmitting at least one of:
- the first and second electromyogram signals;
- processed signals that correspond to the first and second electromyogram signals;
- the angular direction of movement information and the magnitude of movement information.

21. (Original) A method for manipulating an on-screen cursor comprising:

- in response to receiving a first biometric signal, deriving corresponding angular direction of movement information for the on-screen cursor;

- in response to receiving a second biometric signal, deriving corresponding magnitude of movement information for the on-screen cursor.

22. (Original) The method of claim 21 and further comprising, in response to receiving at least one of the first and second biometric signals, deriving a corresponding mouse click assertion.